

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 Entitled : CONTROLLING THE AXIAL POSITION OF A FAN BLADE

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ABSTRACT OF THE DISCLOSURE

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 The invention relates to a fan rotor comprising a
disk having a rim with a plurality of substantially axial
grooves that are regularly spaced apart angularly, a
plurality of removable blades extending radially outwards
20 from the periphery of said disk, each blade having a
blade root received in a respective groove, a downstream
flange plate secured to said disk with the downstream
faces of the blade roots being in abutment thereagainst,
and a removable upstream flange plate secured to said
25 disk for the purpose of retaining the blade roots in the
grooves. In the rotor, the upstream flange plate is
fitted on its downstream face with resilient means for
exerting sufficient force on the upstream faces of the
blade roots, after assembly, to prevent any axial
30 displacement of the blades during normal operation of the
engine (apart from exceptional events of the type in
which foreign bodies are ingested or blades are lost).